



December 15, 1994

Mr. Michael McClelland
Department of the Navy
Engineering Field Activity West
Naval Facilities Engineering Command
900 Commodore Way, Building 101
San Bruno, CA 94066-2402

**Reference: Investigation-Derived Waste (IDW) Issues
Radiation Investigations at Hunters Point Annex (HPA)
Contract No. N62474-8-D-5086, Contract Task Order No. 0155 and 0285**

Subject: Reducing the volume of IDW that needs to be radiologically characterized

Dear Mr. McClelland:

On December 14, David Preston and I, met with LCDR Lino Fragoso of the Navy's Radiological Affairs Support Office (RASO) and yourself to discuss, among other issues, radiological characterization of IDW currently stored in Building 810 at HPA. We identified specific information that is needed to activate RASO's contract with Chem Nuclear under which they will finalize the characterization of the IDW. We also discussed ways to reduce the volume of IDW requiring radiological characterization.

EXISTING CONDITIONS

Presently, 304 drums and 11 bins of investigation derived waste (IDW), potentially radioactively contaminated with low-levels of radium-226, are being stored in Building 810 at HPA. The waste was generated as a result of soil boring and groundwater monitoring well installation at locations within the Industrial Landfill (IR-01), the Bay Fill Area (IR-02), the Submarine Base Area (IR-07) and the Waste Oil Disposal Area (IR-18).

- Based on a current inventory, there are 304, 55-gallon drums of IDW, and 11 waste bins that contain approximately 140 cubic yards of IDW that may require characterization. All of the drums and 6 of the waste bins are stored at Building 810. Five additional waste bins are located immediately east of the HPA decontamination pads.
- Chemical data for IDW is being compiled and will be available in the next 2 weeks. Approximately 60 of the 304 drums have not yet been sampled and analyzed for chemical content and will not be included in the compilation. All bins have been sampled and analyzed for chemical content.

- At Building 130, in the low-level radioactive waste storage area, there are seven drums and one safe that has a dial with radium-226 on it. One drum contains radium-226 in the form of point sources and contaminated soil. The drum is approximately one quarter full. One drum contains approximately 3 gallons of IDW waste water. Two drums contain approximately 150 analyzed soil samples returned from a radiological laboratory. Fifteen of those soil samples contain significant amounts of radium-226. Three drums contain other soil samples collected during investigations in the IR-01 and IR-02 landfills and have not been radiologically characterized yet. The safe will have to be opened and the dial removed for disposal.

PERTINENT NEW INFORMATION

Recent analysis of information obtained during the 1993 subsurface radiation investigation of Parcels B and E, indicates that many of the bins and drums that contain stored IDW may not require radiological characterization. The preliminary draft report of findings of the investigation will be delivered to the Navy for review in approximately 2 weeks. The report presents data collected from trenches that were excavated in the IR-01 and IR-02 landfills. Radium-226 contamination, related to instruments and devices, was found to be restricted to a region approximately 450 feet long by 250 feet wide in IR-02. No subsurface radium-226 was found in IR-01.

Some soils in IR-07 and IR-18 have exhibited elevated gamma activity that is not associated with radium-containing instruments or devices. The exact source of the activity at these two sites has not been completely defined, but it is probably due to naturally-occurring radioactive materials in the soil.

RECOMMENDATIONS

Based on the preliminary results from the subsurface radiation investigation of Parcels B and E, no subsurface radium-226 contamination is present in IR-01 or in areas outside the small region identified in IR-02. Therefore, only IDW that was collected from the IR-02 landfill at and around the 450-foot by 250-foot region, and IDW collected from IR-07 and IR-18, needs to be characterized for radiation.

If radiological characterization is limited to IDW collected from these areas, only 105 of 304 drums will need assessment. Of the 105 drums that will need to be radiologically characterized, approximately 25 have not yet been sampled and analyzed for chemical content. Of the 11 bins, one bin that contains approximately 10 cubic yards of IDW will also not need characterization. Attached is a list of drums and bins currently stored in Building 810 that will require characterization.

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If you have any questions, please call me at (415) 222-8284.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Martinez", written over a light gray rectangular background.

David Martinez

Radiation Protection Specialist

Attachment (1)

cc: David Preston, PRC
Jim Sickles, PRC
Patrick Wooliever, PRC
LCDR Lino Fragoso, RASO
Laurie Miller, RASO
file

HPA WASTE MANAGEMENT SOIL - POTENTIALLY RADIOACTIVE

<u>BINS</u>	<u>CONTENTS</u>	<u>LOCATION</u>	<u>VOLUME</u>	<u>CTO CHARGE #</u>
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ERICKSON

214	IR-01	Building 810	1/2 full 10	0057HJ1BWF
201	IR-02	Building 810	full 20	0057HJ1BWF

ALLWASTE

163	IR-01, -02 soil	East of Decon Pad	80% full-15 c.y. 12	0057HJ1BWF
S037	sump sediment	Building 810	50% 25 8	0057HJ1BWF

WASTE CONTROL SERVICES

C202	IR-01, -02	East of Decon Pad	3/4 full-20 c.y. 15	0057HJ1BWF
C201	IR-01, -02	East of Decon Pad	2/3 full-20 c.y. 13	0057HJ1BWF
P136	IR-01, -02	East of Decon Pad	1/3 full-20 c.y. 7	0057HJ1BWF
2156	IR-07	East of Decon Pad	1/2 full-20 c.y. 10	0057HJ3BWF

CHEMICAL WASTE MANAGEMENT

1273	IR-07, soil	Building 810	3/4 full 15	0057HJ3BWF
1138	IR-02, soil	Building 810	full 20	0057HJ1BWF
1304	IR-02, soil	Building 810	1/2 full 10	0057HJ1BWF

TOTAL BINS @ LOCATION

140 C.Y.

Outside Building 810 -- 6

East of Decon Pad -- 5

DRUMS AT BLDG 810

810

INSP	CELL	DRUM	CONTENTS	CONDITION	ACCUM	CTO	REMARK	INSP
DATE					DATE			INIT
INSPECTION LOG HAZARDOUS WASTE ACCUMULATION STORAGE AREA BLDG. 810								
11/22/84	2	1017	SOIL PA18 W1	GOOD	1/31/81	108	}	
	2	1048	SOIL PA18 MW10	GOOD	2/7/81	108		
	2	1011	SOIL PA18 W3	GOOD	1/30/81	108		
	2	1018	PA18 B002	GOOD	1/29/81	108		
	2	1012	SOIL PA18 B005	GOOD	1/28/81	108		
	2	1014	SOIL PA18 B006	GOOD	1/28/81	108		
	2	1010	SOIL PA18 W1	GOOD	1/31/81	108		
	2	1015	SOIL PA18 B001	GOOD	2/1/81	108		
	2	1047	SOIL PA18 MW10	GOOD	2/7/81	108		
	2	1016	SOIL PA18 B007	GOOD	1/28/81	108		
	2	1003	SOIL PA18 B003	GOOD	1/30/81	108		
	2	1008	SOIL PA18 B003	GOOD	1/30/81	108		
	2	1013	SOIL PA18 W2	GOOD	1/30/81	108		
	2	1024	SOIL PA18 W1	GOOD	1/31/81	108		
	2	1023	SOIL PA18 W3	GOOD	1/30/81	108		
	2	1002	SOIL PA18 B004	GOOD	1/28/81	108		
	2	1021	SOIL PA18 W2	GOOD	1/30/81	108		
	2	1009	SOIL PA18 W1	GOOD	1/31/81	108		
	2	1001	SOIL PA18 B003	GOOD	1/30/81	108		
	2	1020	SOIL PA18 W2	GOOD	1/30/81	108		
	2	1008	SOIL PA18 B006	GOOD	1/28/81	108		
	2	1005	SOIL PA18 MW10	GOOD	2/7/81	108		
	2	1018	SOIL PA18 W1	GOOD	1/31/81	108		
	2	1004	SOIL PA18 MW10	GOOD	2/7/81	108		
	2	1007	SOIL PA18 W3	GOOD	1/30/81	108		
	2	1000	SOIL PA18 W1	GOOD	1/31/81	108		
	2	1022	SOIL PA18 B006	GOOD	1/28/81	108		
	2	1048	SOIL IR20 MW08A	GOOD	5/11/83	188		
							TOTAL DRUMS IN CELL	28
11/22/84	8	2357	SOIL IR14 MW08	GOOD	8/17/82	188		
	8	2300	SOIL IR07 P20A	GOOD	1/28/82	57	}	
	8	2301	SOIL IR07 P20A	GOOD	1/28/82	57		SEDIMENT, FULL OVERPACKED
	8	2327	SOIL IR02 P128AA	GOOD	2/5/82	57		SEDIMENT, 1/2 FULL
	8	2318	SOIL IR02 P87AA-B	GOOD	2/4/82	57		OVERPACKED
	8	2317	SOIL IR02 P83AA	GOOD	2/3/82	57		
	8	2328	SOIL IR02 P87AA-B	GOOD	2/4/82	57		
	8	2316	SOIL IR02 P83AA	GOOD	2/3/82	57		OVERPACKED
	8	2228	SOIL IR02 B104D	GOOD	12/5/81	57		
	8	2268	SOIL IR02 MW88A	GOOD	1/2/82	57		
	8	2330	SOIL IR02 P83AB-A	GOOD	2/6/82	57		
	8	2331	SOIL IR02 P83AB	GOOD	2/6/82	57		
	8	2361	SOIL IR02 P87AB	GOOD	3/18/82	57		
	8	2380	SOIL IR02 P87AB	GOOD	3/18/82	57		
	8	2362	SOIL IR02 P128AA	GOOD	3/11/82	57		
	8	2355	SOIL IR01 P03A	GOOD	3/18/82	57		
	8	2354	SOIL IR01 P03A	GOOD	3/18/82	57		
	8	2230	SOIL IR02 B104D	GOOD	12/5/81	57		
	8	2374	SUMP SEDIMENT	GOOD	3/25/82	57	}	SAMPLED 12/23/82
	8	2375	SUMP SEDIMENT	GOOD	3/25/82	57		SAMPLED 12/23/82

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	8	2376	SUMP SEDIMENT	GOOD	3/25/82	57	SAMPLED 12/23/82 OVERPACKED
	8	2377	SUMP SEDIMENT	GOOD	3/25/82	57	SAMPLED 12/23/82
	8	2378	SUMP SEDIMENT	GOOD	3/25/82	57	SAMPLED 12/23/82
	8	208	UNKNOWN	GOOD	10/10/80	142	OVERPACKED
	8	846	SOIL IR07 B004	GOOD	8/13/81	57	
	8	833	SOIL IR07 B017	GOOD	8/8/81	57	OVERPACKED
	8	847	SOIL IR07 B004	GOOD	8/13/81	57	
	8	838	SOIL IR07 B033	GOOD	8/12/81	57	OVERPACKED
	8	839	SOIL IR07 B033	GOOD	8/12/81	57	OVERPACKED
	8	835	IR07 B014	GOOD	8/12/81	57	OVERPACKED
	8	845	SOIL IR07 B030	GOOD	8/13/81	57	OVERPACKED
	8	840	SOIL IR07 B032	GOOD	8/12/81	57	OVERPACKED
	8	822	SOIL IR07 B025	GOOD	8/7/81	57	
	8	825	SOIL IR07 B015	GOOD	8/8/81	57	
	8	832	SOIL IR07 B018	GOOD	8/8/81	57	OVERPACKED
	8	823	SOIL IR07 B011	GOOD	8/7/81	57	OVERPACKED
	8	830	SOIL IR07 B018	GOOD	8/8/81	57	
	8	828	SOIL IR07 B015	GOOD	8/8/81	57	
	8	831	SOIL IR07 B018	GOOD	8/8/81	57	
	8	517	SOIL IR07 B008	GOOD	12/7/80	57	SAMPLED ON 4/18/81
	8	603	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; WET OVERPACKED
	8	483	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81
	8	484	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81
	8	487	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81
	8	488	SOIL IR07 MW21	GOOD	12/5/80	57	SAMPLED 4/18/81
	8	839	SOIL IR02 B100	GOOD	3/14/81	57	
	8	838	SOIL IR02 B100	GOOD	3/13/81	57	
	8	823	SOIL IR02 MW87A	GOOD	3/11/81	57	
	8	488	SOIL IR07 B018	GOOD	12/5/80	57	SAMPLED 4/18/81; WET OVERPACKED
	8	508	SOIL IR07 B008	GOOD	12/4/80	57	SAMPLED 4/18/81
	8	507	SOIL IR07 B008	GOOD	12/4/80	57	SAMPLED 4/18/81
	8	504	SOIL IR07 B012	GOOD	12/3/80	57	SAMPLED 4/18/81
	8	505	SOIL IR07 B012	GOOD	12/4/80	57	SAMPLED 4/18/81
	8	508	SOIL IR07 B010	GOOD	12/4/80	57	SAMPLED 4/18/81 OVERPACKED
	8	631	SOIL IR02 B145	GOOD	3/13/81	57	
	8	634	SOIL IR02 MW148A	GOOD	3/13/81	57	OVERPACKED
	8	633	SOIL IR02 MW148A	GOOD	3/13/81	57	
	8	711	SOIL IR01 B018A	GOOD	4/22/81	57	
							TOTAL DRUMS IN CELL 58
11/22/84	10	844	SOIL IR07 B030	GOOD	8/13/81	57	OVERPACKED
	10	837	SOIL IR07 B014	GOOD	8/12/81	57	OVERPACKED
	10	841	SOIL IR07 B008	GOOD	8/13/81	57	
	10	842	SOIL IR07 B008	GOOD	8/13/81	57	
	10	843	SOIL IR07 B013	GOOD	8/13/81	57	
	10	828	SOIL IR07 B034	GOOD	8/8/81	57	
	10	500	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; WET OVERPACKED
	10	602	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; WET OVERPACKED
	10	486	SOIL IR07 MW21	GOOD	12/4/80	57	SAMPLED 4/18/81; WET OVERPACKED
	10	605	SOIL IR07 MW20	GOOD	12/10/80	57	SAMPLED 4/18/81; OVERPACKED
	10	608	SOIL IR02 MW87A	GOOD	3/5/81	57	
	10	632	SOIL IR02 MW148A	GOOD	3/13/81	57	OVERPACKED
	10	635	SOIL IR02 MW148A	GOOD	3/13/81	57	
	10	515	SOIL IR07 B002	GOOD	12/7/81	57	SAMPLED 4/18/81
	10	484	SOIL IR07 MW18	GOOD	12/17/80	57	SAMPLED 4/18/81, OVERPACKED
	10	513	SOIL IR07 MW23	GOOD	12/8/80	57	SAMPLED 4/18/81

	10	810	SOIL IR02 MW87A	GOOD	3/6/81	57		
	10	723	OR01 B018D	GOOD	4/30/81	57		
	10	726	SOIL IR01 B018E	GOOD	4/30/81	57		
	10	724	SOIL IR01 B018E	GOOD	4/30/81	57		
	10	721	SOIL IR01 B018B-C	GOOD	4/21/81	57		
	10	722	SOIL IR01 B018B-C	GOOD	4/28/81	57		
	10	712	SOIL IR01 MW38A	GOOD	4/23/81	57		
	10	410	SOIL IR02 B170	GOOD	11/2/80	57	SAMPLED 4/22/81; WET	OVERPACKED
	10	288	SOIL IR02 MW175	GOOD	10/17/80	57	SAMPLED 4/22/81	
	10	308	SOIL IR02 B188	GOOD	10/17/80	57	SAMPLED 4/22/81	
	10	281	SOIL IR02 B181	GOOD	10/15/80	57	SAMPLED 4/22/81	
	10	283	SOIL IR02 MW178	GOOD	10/15/80	57	SAMPLED 4/22/81	
	10	258	SOIL IR02 B181	GOOD	10/12/80	57	SAMPLED 4/22/81	
	10	301	SOIL IR01 B080	GOOD	10/8/80	57	SAMPLED 4/22/81	
	10	304	SOIL IR01 B084	GOOD	10/10/80	57	SAMPLED 4/22/81	
	10	302	SOIL IR01 B080	GOOD	10/9/80	57	SAMPLED 4/22/81	
	10	303	SOIL IR01 B084	GOOD	10/10/80	57	SAMPLED 4/22/81	
	10	308	SOIL IR02 B034	GOOD	10/8/80	57	SAMPLED 4/22/81	
	10	282	SOIL IR02 B086	GOOD	10/8/80	57	SAMPLED 4/22/81	
	10	283	SOIL IR02 B108	GOOD	10/10/80	57	SAMPLED 4/22/81	
	10	284	SOIL IR02	B207	10/10/80	57	SAMPLED 4/22/81	
	10	287	SOIL IR02 B185	GOOD	10/11/80	57	SAMPLED 4/22/81	OVERPACKED
	10	280	SOIL IR02 B181	GOOD	10/12/80	57	SAMPLED 4/22/81; WET	
	10	282	SOIL IR02 B181	GOOD	10/15/80	57	SAMPLED 4/22/81	OVERPACKED
	10	284	SOIL IR02 B187	GOOD	10/16/80	57	SAMPLED 4/22/81	
	10	308	SOIL IR02 B188	GOOD	10/17/80	57	SAMPLED 4/22/81	
	10	313	SOIL IR02 MW208	GOOD	10/18/80	57	SAMPLED 4/22/81	
	10	428	SOIL IR02 B126	GOOD	11/13/80	57	SAMPLED 4/22/81	OVERPACKED
	10	427	SOIL IR02 B120	GOOD	11/13/80	57	SAMPLED 4/22/81	
	10	300	SOIL IR02 B204A-D/206/202	GOOD	10/30/80	57		
	10	338	SOIL IR01 B048	GOOD	10/11/80	57		
	10	710	SOIL IR01 MW028	GOOD	4/18/81	57		
	10	718	SOIL IR01 MW03A	GOOD	4/24/81	57		
	10	888	SOIL IR01 MW028	GOOD	4/17/81	57		
	10	887	SOIL IR01 MW288/MW028	GOOD	4/18/81	57		
	10	700	SOIL IR01 MW028	GOOD	4/17/81	57		
	10	702	SOIL IR01 MW028	GOOD	4/17/81	57		
	10	708	SOIL IR01 MW288	GOOD	4/17/81	57		
	10	703	SOIL IR01 MW028	GOOD	4/17/81	57	OVERPACKED	
	10	888	SOIL IR01 MW028	GOOD	4/17/81	57		
	10	720	DECON SUMP	GOOD	11/2/80	57		
	10	701	SOIL IR01 MW028	GOOD	4/17/81	57		
	10	848	SOIL IR01 B004	GOOD	4/1/81	57		
							TOTAL DRUMS IN CELL	68
11/22/84	12	838	SOIL IR07 B014	GOOD	8/12/81	57		
	12	827	SOIL IR07 B034	GOOD	8/8/81	57	OVERPACKED	
	12	818	SOIL IR07 B001	GOOD	8/8/81	57		
	12	824	SOIL IR07 B003	GOOD	8/8/81	57	OVERPACKED	
	12	821	SOIL IR07 B005	GOOD	8/8/81	57		
	12	820	SOIL IR07 B006	GOOD	8/8/81	57		
	12	834	SOIL IR07 B017	GOOD	8/8/81	57		
	12	2202	IR02 B085A	GOOD	12/3/81	57	OVERPACKED	
	12	518	SOIL IR07 MW23	GOOD	12/8/80	57	SAMPLED 4/18/81	
	12	488	SOIL IR07 MW20	GOOD	12/7/80	57	SAMPLED 4/18/81; WET	OVERPACKED
	12	488	SOIL IR07 MW20	GOOD	12/7/80	57	SAMPLED 4/18/81; WET	OVERPACKED

11/22/84	14	2328	SOIL IR02 P83AB-S	GOOD	2/6/82	57	OVERPACKED	
	14	808	SOIL IR02 MW87A	GOOD	3/5/81	57		✓
	14	830	SOIL IR02 B083	GOOD	3/12/81	57		
	14	828	SOIL IR02 MW83A	GOOD	3/12/81	57		
	14	818A	SOIL IR01 MW43A	GOOD	3/5/81	57		
	14	837	SOIL IR02 B100	GOOD	3/14/81	57		
	14	733	SUMP SEDIMENT IR03	GOOD	5/8/81	57	SAMPLED 12/23/82	
	14	732	SUMP SEDIMENT IR03	GOOD	5/8/81	57	SAMPLED 12/23/82	
	14	530	SUMP SEDIMENT IR03	GOOD	5/8/81	57	SAMPLED 12/23/82	
	14	532	SUMP SEDIMENT IR03	GOOD	5/8/81	57	SAMPLED 12/23/82	
	14	531	SUMP SEDIMENT IR03	GOOD	5/8/81	57	SAMPLED 12/23/82	
	14	738	SUMP SEDIMENT IR03	GOOD	5/8/81	57	SAMPLED 12/23/82	
	14	829	SOIL IR07 B034	GOOD	8/8/81	57	OVERPACKED	✓
	14	918	SOIL IR07 B001	GOOD	8/8/81	57		
	14	899	DRUM LINERS	GOOD	8/14/81	57		
	14	2250	SOIL IR02 B088	GOOD	12/21/81	57		
	14	2267	SOIL IR02 B088	GOOD	12/20/81	57	OVERPACKED	
	14	2231	SOIL IR02 B104D	GOOD	12/5/81	57		
	14	2208	SOIL IR02 B108A	GOOD	12/4/81	57		
	14	2241	SOIL IR02 B188	GOOD	12/10/81	57		
	14	2230A	SOIL IR02 B104D	GOOD	12/5/81	57		
	14	2233	SOIL IR02 B112	GOOD	12/8/81	57		
	14	2247	SOIL IR02 B188	GOOD	12/11/81	57		
	14	2252	SOIL IR02 B088	GOOD	12/12/81	57		
	14	2207	SOIL IR02 B108A	GOOD	12/4/81	57		
	14	2248	SOIL IR02 B188	GOOD	12/11/81	57		
	14	2268	SOIL IR02 B250	GOOD	12/17/81	57		✓
	14	2237	SOIL IR02 B150	GOOD	12/8/81	57		
	14	2248	SOIL IR02 B184	GOOD	12/12/81	57		
	14	2248	SOIL IR02 B184	GOOD	12/12/81	57	OVERPACKED	
	14	2236	SOIL IR02 B112	GOOD	12/8/81	57		
	14	2242	SOIL IR02 B201	GOOD	12/10/81	57		
	14	2228	SOIL IR02 B108A	GOOD	12/4/81	57		
	14	2273	SOIL IR02 B088	GOOD	1/3/82	57		
	14	2201	SOIL IR02 B085A	GOOD	12/3/81	57	OVERPACKED	
	14	2268	SOIL IR02 MW88A	GOOD	1/2/82	57		
	14	2274	SOIL IR02 B088	GOOD	1/3/82	57		
	14	2240	SOIL IR02 B188	GOOD	12/10/81	57		
	14	2244	SOIL IR02 B200	GOOD	12/11/81	57		
	14	2206	SOIL IR02 B080	GOOD	12/4/81	57		
	14	2234	SOIL IR02 B112	GOOD	12/8/81	57		
	14	2232	SOIL IR02 B104A	GOOD	12/5/81	57		
	14	2277	SOIL IR01 MW82A	GOOD	1/8/81	57		
	14	2282	SOIL IR01 MW83A	GOOD	12/18/81	57		
	14	2203	IR02 B085A	GOOD	12/3/81	57	OVERPACKED	
	14	2278	SOIL IR02 B262	GOOD	1/7/82	57	OVERPACKED	
	14	2283	SOIL IR01 MW83A	GOOD	12/18/81	57	OVERPACKED	
	14	2281	SOIL IR01 MW83A	GOOD	12/18/81	57		
	14	2204	SOIL IR02 B080	GOOD	12/4/81	57	OVERPACKED	
	14	2238	SOIL IR02 B122	GOOD	12/8/81	57		
	14	2228A	SOIL IR02 B104A	GOOD	12/5/81	57		
	14	2272	SOIL IR02 B088	GOOD	1/3/82	57		
	14	2243	SOIL IR02 B187	GOOD	12/10/81	57		
	14	2270	SOIL IR02 MW88A	GOOD	1/2/82	57		
	14	2238	SOIL IR02 B135	GOOD	12/8/81	57		✓

	14	2258	SOIL IR02 S258	GOOD	12/17/81	57	✓	
	14	2271	SOIL IR02 MW88A	GOOD	1/2/82	57		
	14	2245	SOIL IR02 S200	GOOD	12/11/81	57		
	14	2251	SOIL IR02 S088	GOOD	12/12/81	57		
	14	2238	SOIL IR02 S142	GOOD	12/8/81	57	✓	
	14	618	SOIL IR02 MW198A	GOOD	3/7/81	57		
	14	728	SOIL IR01 S018F	GOOD	6/1/81	57		
	14	308	SOIL IR01 S048	GOOD	10/11/80	57	HIGH OVA; WET OVERPACKED	
	14	323	SOIL IR01 MW42	GOOD	10/24/80	57	SAMPLED 4/22/81 OVERPACKED	
							TOTAL DRUMS IN CELL	64
11/22/84	13	2446	SOIL IR22 MW08A	GOOD	4/28/83	186	OVERPACKED	
	13	2445	SOIL IR22 MW08A	GOOD	4/28/83	186		
	13	2453	SOIL IR22 MW15A	GOOD	4/28/83	186		
	13	2447	SOIL IR22 MW15A/B015	GOOD	4/28/82	186	OVERPACKED	
	13	2388	SOIL IR12 MW21	GOOD	1/17/83	186		
	13							
	13	2165	SOIL MW37, PA32	GOOD	3/2/83	142	TO BE TESTED OVERPACKED	
	13	2166	SOIL MW38, PA33	GOOD	3/2/82	142	TO BE TESTED OVERPACKED	✓
	13	2452	SOIL	GOOD	5/5/83	142	CONTENT OF BLDG 156 SUMP	
	13	220	SOIL CUTTINGS	GOOD	5/30/82	142		
	13	887	SUMP SEDIMENT IR03	GOOD	4/6/81	57	1/2 FULL; SAMPLED 12/23/82	
	13	730	DRUM LINERS	GOOD	5/13/81	57		
							TOTAL DRUMS IN CELL	11

105 Drums / 304 Drums